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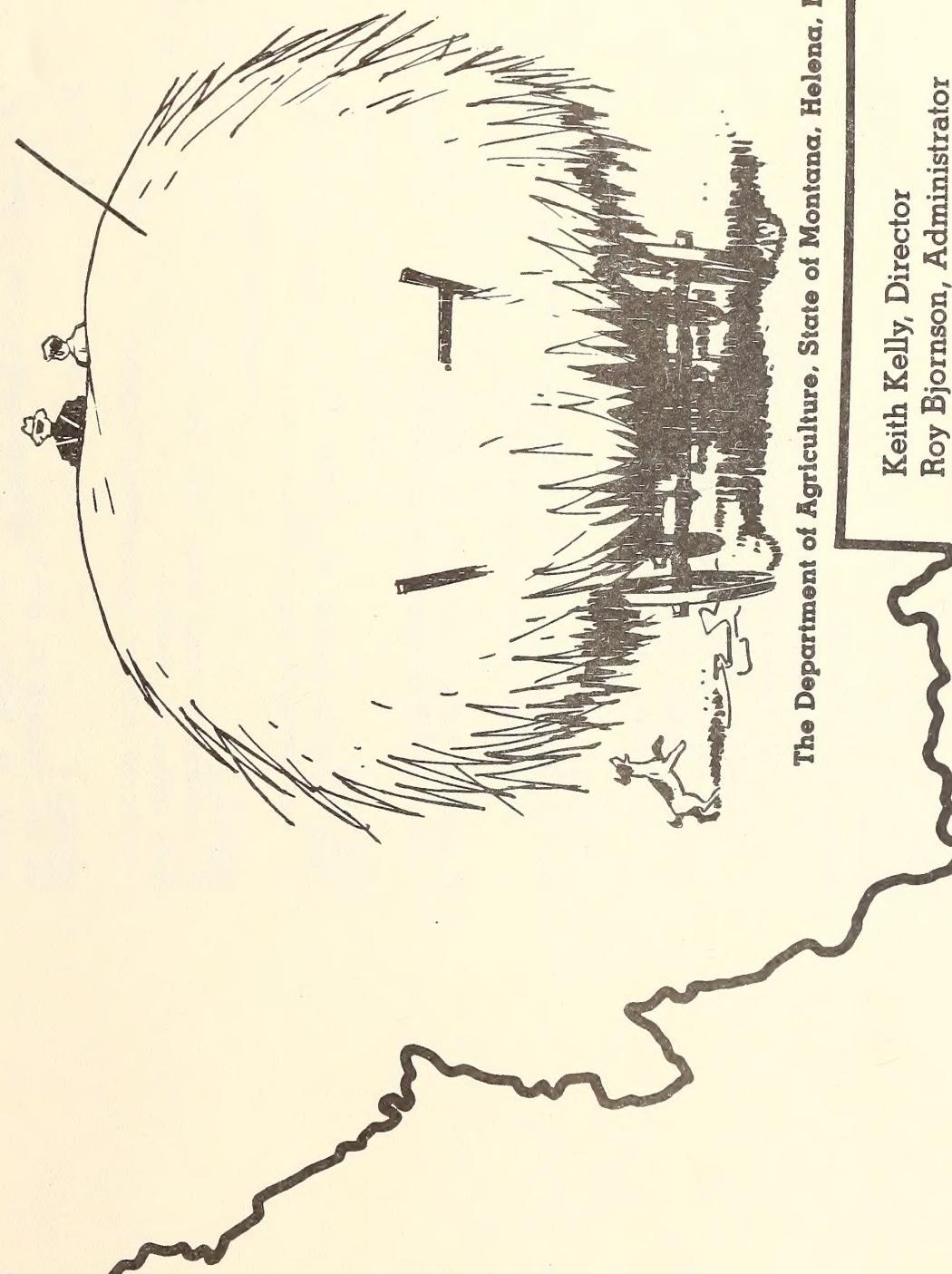
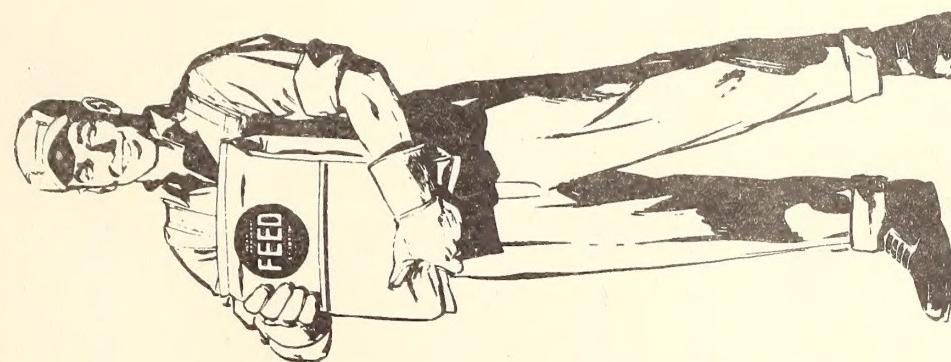
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MONTANA COMMERCIAL FEED REPORT



The Department of Agriculture, State of Montana, Helena, Montana

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Volume 31, 1984

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Plant Industry Division

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This report consists of the following sections:

Commercial Feed Analyses.....Pages 1-24

Pet Food Analyses.....Pages 24-28

Statistical Data.....Pages 29-30

Abbreviations used:

NPN.....Non-Protein Nitrogen

C.....claimed

F.....found

ppm.....Parts per million

*.....out of tolerance

.....less than

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (F)	(C) FIBER	(F)	MINERALS (C)	(F)	(1)VITAMINS-USP UNITS (C) (2)DRUGS (C) (3)CONTAMINANT (C)	(F)
Absarokee Ranch Supply P.O. Box 38 Absarokee, MT 59001										
Gestation Range Mineral Great Falls, MT 59403	Absarokee	3401								
Agri Basics P.O. Box 2548										
Molas-O-Block 14 Great Falls, MT 59403	Belgrade	0108	14.0	14.6	Fat Fiber	1.5 10.0	10.6	Calcium 0.5-1.0 Phosphorus 0.6 Salt 13-15	0.9 0.7 14.9	(1)Vit. A (1)Vit. D
Basic 20 (Cube)	Belgrade	0109	20.0	22.2		1.0	2.8	Calcium 0.8-1.1 Phosphorus 0.6 Salt 0.9-1.1	1.5 0.5 1.6	(1)Vit. D
Whole Cottonseed Replacer Molas-O-Block 20AN	Belgrade Belgrade	0110 2253	18 20	18 20		10.1	Calcium .7-1.1 Phosphorus 1 NaCl 12.5-16	0.9 1.0 17.3	(1)Vit. A (1)Vit. D	20000 37000 3000 2800
Basic B 1200 13% Dairy Pellet	Belgrade Belgrade	2254 2252	12.0	19.7			Calcium 0.5-0.6 Phosphorus 0.6	0.5 0.7		
Body Builder #3 Bull	Belgrade	2255	12	12.1						
Basic MO 120 16% Rabbit Complete 18% Calf Starter Molas-O-Cake 14 (Cube)	Belgrade Belgrade Belgrade Belgrade	2258 2257 2256 2251	.5NPN 12 18.0 14.0	0.6 14.1 16.5 12.9*			Calcium 0.7-0.8 Phosphorus .6 NaCl .9-1.1	3.6 .6 0.6 1.3	(1)Vit. A (1)Vit. D	9000 7300 20000 18000 2000 2300
38% Poultry Conc. 27% Goose Breeder Supp.	Great Falls Great Falls	2423 2424	38.0 27.0	38.2 27.5			Calcium 4.0 Phosphorus 2.0	4.0 2.0		

37% Swine Gr./Fin. Conc.	Conrad	2439	37.0	33.5	Calcium 5.4-6.2 Phosphorus 1.7 NaCl 1.9-2.5 2.5	7.1 2.0 1.1*
14% Calf Grower	Conrad	2441	14.0	14.3	Calcium 0.7-0.8 Phosphorus .05 0.7	2.5 1.1*
Sho-Quene Topper	Conrad	2440	25.0	24.9	Calcium 3.0-3.2 Phosphorus 1.0 1.1	3.4 .1 2.0
40% Feedlot Grower SVP	Conrad	2422	40.0	35.6*	(1)Vit. A (1)Vit. D	(1)Vit. A (1)Vit. D
Molas-O-Cake 20 (Cube)	Conrad	2443	20.0	19.6	Calcium 3.4-3.7 Phosphorus 1.2 1.5 NaCl 6.0-6.5	3.1 1.5 6.1
16% Rabbit Complete Ami-Min-Rel	Great Falls Great Falls	2445 2446	16.0 11.0	15.3* 12.9	Calcium 0.5-1.0 Phosphorus 1.0 1.0 NaCl 0.8-1.1 1.3	0.6 1.0 1.3
16% Layer	Great Falls	2449	16.0	16.1	Calcium 8.6-10.3 Phosphorus 15.0 17.0 NaCl 4.5-5.4 5.2	9.5 17.0 5.2
16% Pig Grower Medicated	Great Falls	2447	16.0	18.4	Iodine 0.026 Calcium 3.2-3.5 Phosphorus 0.7 0.8 Calcium 0.8-0.9 1.1 Phosphorus 0.7 0.9	3.3 0.8 1.1 0.9
40% Feedlot Grower Supplement	Great Falls	2448	40.0	41.3	Calcium 3.4-3.7 Phosphorus 1.2 1.3 NaCl 6.0-6.5	3.4 1.2 6.5
40% Feedlot Grower Supplement	Conrad	2459	40.0	37.1*	Calcium 3.4-3.7 Phosphorus 1.2 1.2 NaCl 6.0-6.5	3.1 1.2 6.5
38% Layer Concentrate	Conrad	2460	38.0	33.9*	(1)Vit. A (1)Vit. D	(1)Vit. A (1)Vit. D
14% Calf Creep Basic 12 Cubes	Glendive Glendive	2644 2645	14.0 12.0	14.6 13.4	Calcium 6.4-7.2 Phosphorus 2.0 2.1 NaCl 1.0-1.5 2.0*	7.8 2.1 2.0*

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (F)	FIBER (C)	(C) MINERALS (C)	(F) MINERALS (C)	(1)VITAMINS-USP UNITS(C) (2)DRUGS (3)CONTAMINANT			(F) (C) (C)
								(F)	(F)	(F)	
								(F)	(F)	(F)	
37% Swine Grower/Finisher Concentrate	Glendive	2646	37.0	37.0				Calcium 5.4-6.2 Phosphorus 1.7 NaCl 1.9-2.5	4.6 1.7 2.5		
16% Pig Grower 32% Feedlot Grower Supplement	Miles City	2672	16.0	17.8				Calcium 3.4-3.7 Phosphorus 1.2 NaCl 6.0-6.5	2.4* 1.3 7.0	(1)Vit. A (1)Vit. D	33000 3000 5100
20% Layer	Miles City	2674	20.0	20.6				Calcium 6.5-6.8 Phosphorus 1.2	6.6 1.3		
20% Feedlot Grower Supplement	Lewistown	2823	20.0	20.2				Calcium 2.0-2.6 Phosphorus 1.2 NaCl 6.0-6.5	2.5 1.1 5.9	(1)Vit. A (1)Vit. D	30000 3000 3200
16% Pig Grower Medicated	Lewistown	2824	16.0	18.5				Calcium 0.8-0.9 Phosphorus 0.70	1.0 0.70		
32% Basic Dairy Supplement	Lewistown	2826	32.0	32.8				Calcium 2.5-3.0 Phosphorus 3.5	2.5 3.3	(1)Vit. A (1)Vit. D	30000 3000 3300
18% Pig Starter/Weaner Medicated	Lewistown	2856	18.0	18.9				Calcium 0.8-0.9 Phosphorus 0.7	0.9 0.7		
Body Builder #1 Bull	Lewistown	2857	13.0	16.5	1.0NPN 1.8*			Calcium 0.4-0.07 Phosphorus 0.3	0.9* 0.4	(1)Vit. A	4800
38% Layer Concentrate	Lewistown	2855	38.0	38.5				Calcium 6.4-7.2 Phosphorus 2.0	5.6 1.8		
Body Builder Weaner 10	Great Falls	3113	12.0	11.7				NaCl 1.0-1.5 Calcium 0.5-0.7 Phosphorus 0.3	1.0 1.0 (1)Vit. A (1)Vit. D		5000 500
Basic 20 (Cube)	Great Falls	3114	20.0	20.1	6.6NPN 6.0			Calcium 0.5-1.0	1.2		

Molas-O-Cake	Great Falls	3116	20.0 4.9NPN	20.2 3.8	Phosphorus 1.0 NaCl 0.9-1.1	1.1 1.1	(1)Vit. A (1)Vit. D	20000 2000	24000 3300
Body Builder 17% Calf. Creep	Great Falls	3115	17.0	18.3	Calcium 0.5-1.0 NaCl 0.8-1.1	1.2 1.1	(1)Vit. A (1)Vit. D	30000 3000	26000 2700
38% Layer Conc.	Conrad	3147	38.0	35.2*	Calcium 6.4-7.2 Phosphorus 2.0 NaCl 1.0-1.5	6.9 1.8 1.9	(1)Vit. A (1)Vit. D	30000 3000	26000 2700
40% Feedlot Grower Supplement	Conrad	3146	40.0	36.3*	Calcium 3.4-4.7 Phosphorus 1.2 NaCl 6.0-6.5	3.4 1.1 6.3	(1)Vit. A (1)Vit. D	30000 3000	40000 2900
Body Builder Grower 5	Great Falls	3157	16.0 3.5NPN	16.2 2.6	Calcium 0.8-1.0 Phosphorus 0.5	1.0 0.7	(1)Vit. A	30000 3000	54000 2900
32% Dairy Supplement	Great Falls	3158	32.0 12.5NPN	29.4 9.6	Calcium 2.5-3.0 Phosphorus 3.5	2.9 2.9	(1)Vit. A (1)Vit. A	30000 3000	50000 3400
Body Builder Weaner 10 Med Minrel 412	Great Falls D11lon	3159 3338	15.0 21.0NPN	12.6 20.0	Calcium 4-4.5 Phosphorus 12 Salt 4.5-5.5	4.2 12.3 5.1	(1)Vit. A (1)Vit. A	30000 5000	100000 4300
16% Sow Gestation	Belgrade	3345	16.0	16.9	Calcium .9-1.1 Phosphorus .7	1.1 0.8	(1)Vit. A (1)Vit. D	30000 3000	100000 27000
Body Builder Weaner 5	Belgrade	3342	16.0 3.6NPN	16.8 2.3	Calcium .2-.5 Phosphorus .6	0.4 0.7	(1)Vit. A	7000	8000
Basic 20 (cube)	Belgrade	3343	20.0 6.6NPN	20.7 5.5	Calcium .8-1.1 Phosphorus .6 NaCl .9-1.1 Calcium .9-1.1 Phosphorus .9	2.1* 0.6 1.1 1.4 1.1	(1)Vit. A (1)Vit. D	20000 62500 7500	28000 56000 24000*

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C) (F)	FAT (C) (F)	FIBER (C) (F)	(C) (F)	MINERALS (C) (F)	(1)VITAMINS-JSP UNITS (C) (2)DRUGS (3)CONTAMINANT (C) (F)		
								(1)VITAMINS-JSP UNITS (C) (2)DRUGS (3)CONTAMINANT (C) (F)		
								(1)VITAMINS-JSP UNITS (C) (2)DRUGS (3)CONTAMINANT (C) (F)		
Molas-O-Block 14	Belgrade	3341	14.0	14.9				Calcium .5-1.0 Phosphorus .6 NaCl 13.0-16.0	1.0 1.1 14.1	(1)Vit. A (1)Vit. D
Anti-Min-Rel Block	Belgrade	3344	11.0	13.0				Calcium 8.6-10.3 Phosphorus 15.0 Salt 4-6	9.5 16.1 5.6	(1)Vit. A (1)Vit. D
Big Mo	Belgrade	3346	24.0	27.6				Iodine 0.026	0.029	(1)Vit. A
Agri Feeds & Service 1518 Dodge Helena, MT 59601			16.ONPN 10.7	16.ONPN 15.7				Calcium 1.5-2.5 Phosphorus 1.0 Salt 2.5-3.5	2.5 1.1 3.5	(1)Vit. A (2)Vit. D
17% Layer Ration Agri Sweet 16% Swine Grower								Helena 0001 Helena 0002 Helena 0003	17.0 12.0 16.0	16.9 13.7 13.3
Beartooth Feed & Grain Red Lodge, MT 59068										(1)Vit. A
Beartooth Custom Range Cake 20%	Red Lodge	3400	20.0	19.9				Calcium 0.1-0.5 Phosphorus 0.6	0.2 0.7	(1)Vit. A
Beartooth Custom Range Block 20%	Red Lodge	3399	20.0	22.2				Calcium 1-2 Phosphorus 0.6 Salt 12-14	0.7 0.7 12.8	(1)Vit. A
Big Horn Calcium Company Warren, MT	Warren	2875						Calcium 38-40	40.0	

Big Sky Feed
Box 2799
Great Falls, MT
59403

Big Sky Horse Power Preconditioner	Great Falls	3151	15.0	14.9			
	Great Falls	3152	12.0	14.0			
			2.0NPN	1.8			
Big Sky Cattle Cake 15% AN	Great Falls	3150	15.0	15.7			
			NPN	0.5			
Big Sky Range 20%	Great Falls	3149	20.0	20.1			
		6.5NPN	3.7				
					(1)Vit. A	6000	5300
					(1)Vit. A	20000	24000
					(1)Vit. A	30000	300000

Big Sky Feed & Supply
Box 1402
Billings, MT 59103

Range 20%						
Cattle Block 15% AN	Billings	3363	20.0 6.5NPN 2.1	19.6	Calcium Phosphorus	0.7-1 1
	Billings	3361	15.0	15.8	Calcium Phosphorus	0.5-1.0 0.6
Range Block 20% AN	Billings	3362	20.0	18.9*	Salt Calcium Phosphorus	12-14 1.0-2.0 1.0
Big Sky Range 20% AN Cube	Billings	3375	20.0	19.7	Salt Calcium Phosphorus	12.0-14.0 0.1-0.5 1.0
Big Sky Cattle Cake 15% AN	Billings	3376	15.0	15.9	Calcium Phosphorus	0.1-0.5 0.6

Bongards Creameries
Bongards, MN 55311

Dried Whey Powder

Bowman Grain & Seed
P.O. Box 396
Hardin, MT 59034

Paddock Plus Horse Feed

Calcium	.14-.16	0.15		
Phosphorus	0.2	0.4	(1)Vit. A	
				6250
				4500

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)			FAT (C)	MINERALS (C)			(1)VITAMINS-USP UNITS (C) (2)DRUGS (3)CONTAMINANT		
			PROTEIN (C)		FIBER (C)	FAT (C)	MINERALS (C)	(F)	(C)	(F)	(C)	(F)
			(F)	(F)	(F)	(F)	(F)	(F)	(F)	(F)	(F)	(F)
Range Cube 20 NPN	Hardin	3366	20.0 6.ONPN	17.5 5.0			Calcium Phosphorus Salt	0.6-0.7 0.9 1-2	0.7 1.0 1.5	(1)Vit. A	30000	34000
C. B. & F. Culbertson, MT 59218												
Super Hi Energy Range Pellet	Culbertson	2664	11.0	13.6			Phosphorus	1.0	1.0	(1)Vit. A (1)Vit. D3	20000 5000	23000 6500
Super 14% Bull and Calf Pellets	Culbertson	2665	14.0	14.0								
20% Range Pellet Medicated	Culbertson	2663	20.0 6.6NPN	19.9 5.56								
Pig Starter Ration MX Med. Pig Grower Med Crumble	Culbertson Culbertson Culbertson	2666 2706 2707	18.0 17.0 15.0	18.1 17.5 20.3			Calcium Phosphorus	1.0-1.2 .50	1.2 0.6	(1)Vit. A (1)Vit. D	30000 7500	33000 12000
Supper 20 Range Cube	Culbertson	2708	20.0	21.1			Phosphorus	1.0	1.1	(1)Vit. A (1)Vit. D3	30000 7500	22000 7500
Cargill P.O. Box 9300, Dept. 14 Minneapolis, MN 55440												
Top Calf Starter Ration MED.	Chester	2431	18.0	18.0								
MT. Small Gr. Supple.	Chester	2432	36.0	33.4*								
Sweet Flow 13 Dairy Pellets	Chester Lewistown	2433 2834	13.0 32.0	14.2 30.6			Calcium Phosphorus NaCl	4.0-5.0 2.2 2.25-3.0	6.1* 3.8 2.61	(1)Vit. A (1)Vit. D	8500 4250	21000 4200
Mont. Small Grain Supple.	Lewistown	2843	36.0	37.9								

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)			FAT (C)	FIBER (C)	MINERALS (C)	(F)					
			VITAMINS-USP UNITS (C) (2) DRUGS (C) (3) CONTAMINANT (C)						(F)					
			(F)						(F)					
Hi-Energy Range-Chief 20	Lewistown	2198	20.0 6.6NPN	18.6* 5.5		Calcium NaCl	1.5-1.0 1.5-1.0	0.6* 1.2	(1)Vit. A (1)Vit. D	30000 5000	43000 8200			
Pig Grower Pellets Med Hi-Energy Range Saver	Lewistown	2197 2195	16.0 12.0	14.3* 11.6		Phosphorus NaCl	.5 1.0	0.7 1.0	(1)Vit. A (1)Vit. D					
Kalf Creep	Lewistown	2196	13.5	14.7		Calcium Phosphorus NaCl	1.5-1.0 1.0 1.5	1.5 1.0 1.5	(1)Vit. A (1)Vit. D (1)Vit. A (1)Vit. D	15000 3000 10000 2000	19000 2700 11000 2300			
Swine Finish Pellets Beef Performance High Energy Range Chief 20	Lewistown Lewistown Lewistown	2199 2200 2827	13.0 13.0 20.0	14.0 15.6 17.7*	6.6NPN 5.7	Calcium Phosphorus NaCl	1.-1.5 .50 1.0-1.5	0.66* 0.67 1.5	(1)Vit. A (1)Vit. D3	30000 5000	29000 7700			
Beef Performance Pellets Pig Grower Pellets Medicated Kalf Creep Hi-Energy Range Vita-50	Lewistown Lewistown Lewistown Lewistown	2828 2830 2829 2864	13.0 16.0 13.5 20.0	12.7 15.6 13.5 18.6*	7.5NPN 6.2	Calcium Phosphorus NaCl Iodine	2.0-3.0 2.0 1.0-1.5 0.001	1.9 2.7 1.2 .010	(1)Vit. A (1)Vit. D3 (1)Vit. A (1)Vit. D3					
Sow Gestation Pellets	Lewistown	2865	13.0	13.6										
Commercial Grain E. Northern Ave. Plentywood, MT 59254														
Pig Starter Med. 15% Phosphorus Range Mineral	Plentywood Plentywood	2658 2659	18.0	20.0		Calcium Phosphorus NaCl	9.5-11.5 15.0 18.0-20.0	11.3 14.9 20.9	(1)Vit. A	100000	100000			

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (C)	FIBER (C)	MINERALS (C)	(1)VITAMINS-USP UNITS (C)		(F)	
							(2)DRUGS (C)		(F)	
							(3)CONTAMINANT (C)		(F)	
Commercial Grain Swine Mineral Mix	Plentywood	2660					Calcium	22.0-25.0	21.8	
Continental Grain Co. P.O. Box 478 Culbertson, MT 59218 28% Sun Meal Safflower Meal	Culbertson Culbertson Culbertson	2667 2668 2698	24.0 28.0 24.0	27.1 24.1* 22.8*			Phosphorus	9.0	10.5	
Farr Better Feed 1406 Industrial Billings, MT 59104							NaCl	12.0-13.0	12.6	
Supp. R580 T180	Sidney	2700	30.0 18.5NPN	30.0 17.7			Zinc	0.26	0.11*	
Custom Calf Weaver Supp.	Sidney	2701	18.0 3.27NPN	18.6 3.5						
Farr Better Feeds P.O. Box 20462 Billings, MT 59104										
20% Supreme Range Cube Nap	Billings	3377	20.0	20.5			Calcium	0.9-1.1	0.9	
17% Egg Layer	Billings	3379	17.0	20.4			Phosphorus	1.0	1.0	
Lamb Grower (H)	Billings	3380	15.0 0.66NPN	15.6 1.1*			Salt	0.9-1.1	1.1	
15% Sow Gestation	Billings	3378	15.0	16.3			Calcium	3.4-3.6	3.6	
							Phosphorus	0.8	1.1	
							Calcium	.55-.7	0.67	
							Phosphorus	0.4	0.6	
							Salt	1.4-1.6	1.4	
							Calcium	0.7-0.8	1.2	
							Phosphorus	0.65	0.69	

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (F)	FIBER (C)	(C) (F)	MINERALS (C)	(F)	(1)VITAMINS-JSP UNITS(C) (2)DRUGS (C) (3)CONTAMINANT (C)	(F) (F) (F)	
Mono Phos	Billings	3381									
Farrell Chemical Co. 705 2nd Ave. Seattle, WA 93104	Hamilton	2273	20.0 8.0NPN	25.5 11.0			Calcium Phosphorus	1-1.5 1.0	1.1 1.2	(1)Vit. A (1)Vit. D3	20000 7500
Crystalyx Hi Energy 20											21000 7300
Dale Fellman Feed Jordan, MT 59337	Miles City	2670	14.0	13.9			Calcium Phosphorus NaCl	0.75-1.25 0.5 0.25-0.75	0.95 0.5 1.2*	(1)Vit. A (1)Vit. D3	20000 6000
The Depot 14	Miles City	2671	12.0	13.7			Calcium Phosphorus NaCl	0.5-1.5 .5 1.0-2.0	0.4 0.4 0.8	(1)Vit. A (1)Vit. A	17000 5800
The Depot 12	Miles City	2669	13.0	12.5*			Phosphorus	1.5	0.7		10000 90000
R M 600 Med.	Miles City										14000 96000
GTA A Harvest States Co. P.O. Box 1447 Sioux Falls, SD 57117	Chinook	2435	38.0	38.4			Calcium Phosphorus NaCl	2.74-4.75 2.25 1.5-2.5	4.7 2.5 1.69	(1)Vit. A	6000
Six-In-One	Chinook	2436	38.0 18.9NPN	37.9 17.6			Calcium Phosphorus NaCl	4.-5. 1.0 1.25-2.25	4.7 0.6* 5.2*	(1)Vit. A (1)Vit. D3	5200 30000 6000
Beef Marketer BWT 300 Med.	Chinook										24000 7900
GTA Box 427 Chinook, MT 59523											

Egg Feed	Chinook	2437	20.0	19.9	Calcium	5.5-6.5	6.2
				Phosphorus	0.8	0.9	
Kalk Kik MED	Chinook	2438	14.0	16.9	NaCl	0.5-1.5	1.0
				Calcium	0.5-1.5	0.7	
Lay Con-42	Chinook	2451	42.0	42.8	Phosphorus	0.5	0.66
				NaCl	0.5-1.5	1.1	
Six-In-One	Chinook	2452	38.0	37.1	Calcium	2.5-3.5	3.3
				Phosphorus	2.0	1.8	
C & C 12	Chinook	2450	12.0	11.6	NaCl	1.5-2.5	1.2
				Calcium	3.75-4.75	4.9	
Beef Advancer	Chinook	2453	20.0	20.6	Phosphorus	2.25	2.64
			6.5NPN	5.7	NaCl	1.5-2.5	2.1
Duck & Goose Starter	Great Falls	2455	20.0	19.9	Iodine	0.001	.005
Duck & Goose Grower	Great Falls	2454	16.0	15.9	(1)Vit. A	6000	8000
Chick Start-A	Great Falls	2456	20.0	18.8*	(1)Vit. D3	1000	
Quick Gro-A	Great Falls	2457	16.0	16.0			
Broiler Starter - A	Great Falls	2458	23.0	24.6			
Rum-Liq 22	Fairview	2633	22.0	20.5*			
			21.25NPN13.7				
Egg Feed	Fairview	2635	20.0	19.9	Calcium	5.5-6.5	5.2
18% Cattle Cubes	Glendive	2647	18.0	18.2	Phosphorus	.8	1.1
			NPN 1.9*		NaCl	6.5-1.5	0.95
				Calcium	0.1-1.0	0.4	
				Phosphorus	1.0	1.0	
				NaCl	1.0-2.0	1.2	
				(1)Vit. A	20000	15000	
				(1)Vit. D3	4000	5200	

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN			(C) (F)	FAT (C) (F)	C (C) (F)	MINERALS (C) (F)	(1) VITAMINS-USP UNITS (C) (2) DRUGS (3) CONTAMINANT		
			(C)	(F)	FIBER					(1)Vit. A	10000	11000
			(C)	(F)	NPN		0.6	0.5-1.5	1.2	(1)Vit. A	10000	11000
Hi-En 12	Glendive	2648	12.0	12.5				Calcium	0.5-1.5	1.2		
Head Start 70	Great Falls	3118	12.0	13.5				Phosphorus	.5	0.58		
Hi-en 12	Great Falls	3119	12.0	13.8				NaCl	0.25-1.25	.045		
C & C 16	Great Falls	3121	16.0	16.5				Calcium	0.5-1.5	0.7		
			5.5 NPN	3.0				Phosphorus	0.5	0.5		
Complete Horse Feed	Chinook	3137	13.0	14.9				NaCl	1.0-2.0	1.7		
MI EN 12	Chinook	3139	12.0	15.0				Calcium	0.5-1.5	0.8		
Six In One	Chinook	3140	38.0	39.1				Phosphorus	0.5	0.5		
C & C 16	Chinook	3138	16.0	18.4				NaCl	0.25-1.25	1.05		
Kalf Klk Med	Chinook	3136	14.0	15.9				Calcium	3.75-4.75	5.8*		
C & C 16 Block	Great Falls	3160	16.0	15.8				Phosphorus	2.25	2.51		
Bull & Feedlot Developer	Great Falls	3162	12.0	12.6				NaCl	1.5-2.5	1.7		
Head Start 70 Med	Great Falls	3161	12.0	12.5				Calcium	0.75-1.75	1.51		
			5.5NPN	4.7				Phosphorus	1.0	1.1		
								NaCl	1.0-2.0	1.8		
								Calcium	0.5-1.5	0.6		
								Phosphorus	0.5	0.5		
								NaCl	0.5-1.5	1.4		
								Calcium	0.75-1.75	1.58		
								Phosphorus	1.0	1.0		
								Salt	8-9.5	11.0		
									(1)Vit. A	1.0		
									(1)Vit. D3	1.0		
										30000	38000	
										6000	6500	
										2500	9800	
										5000	6600	

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (F)	FIBER (C)	(C) (F)	MINERALS (C) (F)	(2) DRUGS (3) CONTAMINANT		(C) (C)	(1)VITAMIN (F) (F)	
								(2) DRUGS (3) CONTAMINANT	(C) (C)			
3290 Beef Supplement	Bainville	2710	32.0 9.8NPN	36.8 15.1*				Calcium Phosphorus NaCl Potassium	1.5-2.5 1.0 2.0-3.0 2.0	1.6 1.0 2.9 2.2	40000 4000	41000 3600
Hubbard Millings Co. Mankato, MN 56001												
Energy Cake	Glendive	2650	12.0	12.6								
14% Creed feed Med. Rangeland 16	Glendive Glendive	2651 2652	14.0	13.7								
20% Western Cake	Sidney	2702	20.0 7.10NPN	20.5 6.0								
14% Calf. Creep 166 Horse Mineral	Sidney Sidney	2703 2704	14.0	14.4								
Kalispell Feed & Grain P.O. Box 1075 Kalispell, MT 59901												
Complete Horse Cubes 20% Range Cubes	Kalispell Kalispell	0642 1041	13.0 20.0	12.8 19.0*								
Carnation Range Lix 36	Kalispell	1242	36.0 18.0NPN	34.7 16.4								

La Budde Feed & Grain Co.
Box 23227 Milwaukee, WI 53223

Bone Meal	Terry	2677		Calcium	22.0	27.0
				Phosphorus	14.0	20.0

Lake Milling, Inc.
Hamilton, MT 59840

Lakeland Feeds 16%
Dual Layer

28 Day Cattle Conditioner

Loomix, Inc.
Box 490
Arroyo Grande,
CA 93420

Loomix #5 Range

Locmix 5 Range BR 5S-MF

Locmix #5 Range BR55

Phosphorus	0.5	0.4	2.5-3.5	3.4	(1) Vit. A (1) Vit. D3	10000 5000	8300 4900
Calcium							
Phosphorus	.7	.66					
NaCl	.4-.9	0.5					
Calcium							
Phosphorus	1.0	0.8					
Salt	0.0	1.5					
NaCl							
Phosphorus	1.0	1.2					
NaCl	2.0-3.0	10.7*					
Phosphorus	0.4	0.4					
NaCl	2.0-3.0	3.2					
Phosphorus	1.0	1.2					
NaCl							
Phosphorus	1.0	0.9					
Calcium	2.0-3.0	3.0					
Phosphorus	1.0	1.1					
Magnesium	2.5	3.2					

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	(1) VITAMINS-USP UNITS (C)			(F)		
			(2) DRUGS			(C)		
			(3) CONTAMINANT			(C)		
Loomix II Block 20%	Billings	3359	20.0 13.0NPN	21.4 12.5	(C) FIBER	(C) FAT	(C) PROTEIN	(F) MINERALS (C)
Loomix - Summer BS1S	Billings	3358	10.0 4.0NPN	12.2 0.8	Phosphorus	0.4	0.4 (1)Vit. A (1)Vit. D	Calcium 2.0-3.0 Phosphorus 1.5 Magnesium 3.0 2.9 20000 5000 23000 7900
McBlairs Feed Service Co. Star Rt. "A" Twin Bridges, MT 59754								
Moranol Premium Supplement	Twin Bridges	2259			Phosphorus	.2-1.2 1.0	0.3 1.3	
Morea Plus Supplement	Twin Bridges	2260	45.0 44.0	44.5 41.1	Calcium	.2-1.2 1.0	0.3 1.2	
Missoula Feed & Grain Co. P.O. Box 3717 Missoula, MT 59806					Phosphorus	.2-1.2 1.0	0.3 1.2	
Super Swine 36 Poultry Concentrate 36% HI Phos 15	Helena Helena Missoula	0006 0004 2268	36.0 36.0	36.0 37.7	Salt	6.0-7.0 2.0-3.0	6.7 3.2	
Calf Developer "15" Rabbit Ration 16-18 50% Meat Meal Rabbit Pellet 20% Range Supplement	Missoula Missoula Choteau Missoula Missoula	2267 2269 2429 3027 3026	15.0 16.5 50.0 16.0 20.0	16.1 17.2 50.8 15.7 20.2	Phosphorus	15.0 14.9	(1)Vit. A (1)Vit. D3	300000 64000 310000 150000
Layer Ration "20"	Missoula	3204	20.0	22.2	Calcium	2.0-3.0	2.1	
Nash Brothers Box 405 Scobey, MT 59263					Phosphorus	1.0	1.06	
					NaCl	1.0	1.1	
					(1)Vit. A		20000	30000

Check-R-Mix Hog Finisher
Check-R-Mix Pig Starter

Northwest PMS
Box 430
Caldwell, ID 83605

Scobery	2653	12.0	14.6			
Scobery	2654	18.0	20.5			
Nutri Power 15	Sheridan	2261	15.0	13.2*		
			3.ONPN	7.5*		
PMS 30	Sheridan	2263	30.0	33.6		
			29.ONPN	25.4		
PMS 40-1	Sheridan	2262	40.0	36.9*		
			38.ONPN	29.0		
Pfau's Pellet Mill 2511 Eastside Hwy Stevensville, MT 59870						
Colt/Lamb Pellet Grower/Finishing Hog Pellet	Stevensville	3202	15.0	13.1*		
		3203	13.5	12.8*		
Phil Co. Feeds Box 160 Malta, MT 59538						
Horse Around	Malta	2637	11.0	13.7		
Layer 16	Malta	2638	16.0	16.6		
Hog Starter	Malta	2639	18.0	13.0*		
15% Beef Creep Pellets	Malta	3154	15.0	14.4*		
Layer 16	Malta	3155	16.0	16.8		
Hog Grower Med.	Malta	3156	15.0	16.7		
Ralco-Mix Products, Inc. 1660 Hahn Road Marshall, MN 56258						
Hi-Phos Mineral	Hardin	3364				

Calcium	1.5-2.5	2.4			
Phosphorus	1.0	1.1	(1)Vit. A		
			(1)Vit. D3		
				50000	63000
				10000	23000
			(1)Vit. A	30000	32000
			(1)Vit. D3	7500	7600
			(1)Vit. A	30000	33000
			(1)Vit. D3	7500	11000
Calcium	.4-1.4	0.14*			
Phosphorus	.4	0.4	(1)Vit. A		
				25000	30000
Calcium	7.0-8.0	7.9			
Phosphorus	14.0	13.9	(1)Vit. A		
Magnesium	3.0	3.5	(1)Vit. D		
Sulfur	4.0	6.2		200000	280000
				100000	110000

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (F)	FIBER (C)	MINERALS (C)	(1)VITAMINS-USP UNITS (C) (2)DRUGS (C) (3)CONTAMINANT (C)			(F) (F) (F)	
							(F)				
							(F)				
Ralston Purina Checkerboard Square St. Louis, MO 63164	Dillon Dillon	2247 2248	16.0 36.0	13.7*			Calcium Phosphorus NaCl	3.2-4.2 1.7 2.3-3.3	3.4 1.7 2.9		
Orolene Farm Blend Hog Chow W/O	Dillon	2249	24.0 16.0NPN	25.6 13.9							
Sup-R-Block #2	Dillon										
Preconditioning/Receiving Chow	Ronan Ronan	2275 2276	12.0 12.0	14.1 1.3							
Bull Developer	Ronan										
Sup R Block #2	Dillon	3339	24.0 16.0NPN	27.9 14.6			Calcium Phosphorus Salt Magnesium	1.5-2.5 1.0 2.5-3.5 2.0	2.3 1.2 4.2 3.3		
Purina Show Chow 32	Dillon	3337	32.0	32.7							
Forage Balancer Block 4	Dillon	3336	20.0 12.0NPN	21.6 8.6			Calcium Phosphorus Salt	3.0-4.0 0.8 3.5-4.5	4.0 0.9 4.0		
Purina Steer Chow 40(G)	Scobey	2655	40.0 32.0NPN	35.7*	27.0						
Hog Chow 100 TN	Scobey	2656	36.0	36.0			Calcium Phosphorus NaCl	5.0-6.0 0.8 3.5-4.5	5.7 0.88 3.8		
Pig Chow 40-250 Med.	Scobey	2657	40.0	39.5							

Forage Balancer Ronan 3038 20.0 19.9
12.0ENP 7.8

Redmond Clay & Salt Co.
Box 1117
Redmond, UT 84652
NaCl 18.0-21.0 21.8
(1)Vit. A 15000 16000

Redmond Clay & Salt Co.
Box 1117
Redmond, UT 84652

Natural T. M. Salt Lewistown 523030
Calcium 1.35-.35 0.59
NaCl 93.0-98.0 94.1
Potassium .16 0.13
Magnesium .18 0.14
Iron .08 0.12

Saco Dehy
Box 268
Saco, MT 59261

Dehydrated Alfalfa Saco 2636 17.0 16.0*

Squire Products Company
Box 43594
St. Paul, MN 55164

Big-R-Lic 14 Fairview 2634 14.0 16.3

Calcium 3.5-4.5 3.7
Phosphorus 1.5 1.65
NaCl 2.5-3.5 4.4
Magnesium 2.5 3.8
(1)Vit. A 40000 28000
(1)Vit. D3 5000 6400

Standard Chemical
Box 3844 - 701 S. 42nd St.
Omaha, NE 68103

Dairy Fine-80 No. 2 Med. Billings 2847 80.0 73.8*
59.0 51.6

Top Producers Pre-Mix L Billings 2846

Vitamin Pre-Mix for
Rumigants Billings 2848

Calcium .5-1.5 0.81
Phosphorus .7 0.6
NaCl 18.0-21.0 21.8
(1)Vit. A 10000 110000
(1)Vit. D3 14000 120000

Calcium 1.35-.35 0.59
NaCl 93.0-98.0 94.1
Potassium .16 0.13
Magnesium .18 0.14
Iron .08 0.12

Calcium 1.35-.35 0.59
NaCl 93.0-98.0 94.1
Potassium .16 0.13
Magnesium .18 0.14
Iron .08 0.12

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (C)	FIBER (C)	(C) MINERALS (C)	(F) MINERALS (C)	(1) VITAMINS-USP UNITS (C) (2) DRUGS (C)		(F) (C) (C)	
								(1) VITAMINS-USP UNITS (C) (2) DRUGS (C)			
								(3) CONTAMINANT (C)	(C)		
Cattle Booster	Billings	2849				Calcium 2.0-3.0	3.0				
						Phosphorus 5.0	5.6	(1)Vit. A	155000	220000	
						NaCl 18.0-21.6	17.5	(1)Vit. D3	15500	26000	
Insta-Mix Milk Replacer	Billings	2850	22.0	21.8				(1)Vit. A	15000	13000	
								(1)Vit. D3	5000	3600	
Stevensville Feed & Fuel Stevensville, MT 59870											
20% Range Feed	Stevensville	2189	20.0	18.2*				(1)Vit. A	30000	270000	
13% Dairy Feed	Stevensville	2188	13.0	11.8*							
				2.0NPN 0.4							
TSC Ind. Inc., 915 Murfreesboro Nashville, TN 32217											
Retriever High Protein Catfood	Billings	0552	30.0	33.2							
Triple "F" Feeds Box 3600 Des Moines, IA 50322											
6-12A Livestock Min. Mix	Choteau	2426				Calcium 6.5-5.5	5.8				
						Phosphorus 12.0	12.0	(1)Vit. A	200000	205000	
						Magnesium 2.0	2.9	(1)Vit. D3	200000	210000	
Nutri-Power Pig Starter #1, #2010 Med.	Choteau	2427	22.0	21.3							
Nutri Power Pre Weaner #2005	Choteau	3123	24.0	25.7							
Layer Wee Mix #1400	Choteau	3126	15.0	15.0							
Ruminant Premix #4970	Choteau	3122				NaCl 25.0-30.0	29.1				
						Calcium 9.0-10.0	12.3	(1)Vit. A	2000000	1700000	
6-12A Lfst. Mx Mix #9400	Choteau	3124						(1)Vit. D3	800000	870000	
						Calcium 5.50-6.50	5.7	(1)Vit. A	200000	180000	
						Phosphorus 12.0	12.0	(1)Vit. D3	200000	210000	
						Magnesium 2.0	2.5				

Valco Agri Service
Box 129
Glasgow, MT 59230

Layer 20	Glasgow	2640	20.0	21.6	Calcium	4.0-5.0	4.4
Showking	Glasgow	2641	12.0	12.5	Phosphorus	1.0	1.1
Hog Finisher 13	Glasgow	2642	13.0	15.1	NaCl	.25-.50	0.51
Walton Feed Inc.					(1)Vit. A		
P.O. Box 52						6000	6000
Casche Junction, UT	84304						

Walton's 0-11 Hi-Phos	Dillon	3340	Calcium	0-0.2	0.5*		
			Phosphorus	11.0	11.9		
			Salt	36.0-38.0	36.2	(1)Vit. A	
			Potassium	2.0	2.0	(1)Vit. D	
			Magnesium	1.5	1.8		

Western Seed & Supply			Phosphorus	1.0	1.03	(1)Vit. A	
1308 Round Butte Rd. West							
Ronan, MT 59864							
Range Cake 20 W	Ronan	2187	20.0	21.0			
			6.5NPN	7.3			
Western States Industries							
Box 855							
Choteau, MT 59422							
Nutri Supreme Med. WSI#2110 Choteau		2428	22.0	22.6			
Nutri Supreme Med. W51#2110 Choteau		3127	22.0	23.2			

Western Hatchery & Feed			Phosphorus	1.0	1.03	(1)Vit. A	
400 49th St. South							
Great Falls, MT 59405							
Top Notch Chick Starter							
M-125 Med.							
Poultry Top Notch 36 M410	Great Falls	2422	20.5	18.1*			
Top Notch Chick Starter	Great Falls	3129	36.0	36.0			
Top Notch 38% Poultry Conc.	Great Falls	3131	38.0	38.1			
Top Notch Cage Layer 16	Great Falls	3130	16.0	18.7			
Top Notch High Energy							
Broiler Finisher	Great Falls	3132	18.0	32.5			
Chick Starter M 125 Med.	Great Falls	3133	20.5	24.4			

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	PROTEIN (C)	FAT (C)	FIBER (C)	MINERALS (C) (F)	(1)VITAMINS-USP UNITS(C) (2)DRUGS (C) (3)CONTAMINANT (C)			(F) (F) (F)	
							(F)				
							(F)				
West-Tech Inc.	Winifred, MT 59489										
Honey-Lix	Lewistown	523033	12.0 0.0	12.7 1.0*			Calcium Phosphorus	1.0-2.0 1.2	(1)Vit. A (1)Vit. D	40000 60000	45000 7200
Westway Corp. 1320 South 24th St. West Billings, MT 59102	Three Forks	2242	10.43 5.9NPN	13.3 8.2*			Calcium Phosphorus NaCl	5.97-6.97 .75 5.23-6.23	(1)Vit. A (1)Vit. D	20000 5000	27000 6500
Liquid Feed Supplement for Cattle	Bozeman	3350	12.0	14.6			Calcium Phosphorus Magnesium	2.0-3.0 1.5 2.5	(1)Vit. A (1)Vit. D	40000 6000	40000 12000
Williams Feed Inc. 235 N. Idaho Dillon, MT 59725	Helena	5	20.0 7.5NPN	20.5 6.3			Calcium Phosphorus Salt	1.0-2.0 1.0 11.0-13.0	(1)Vit. A (1)Vit. D	30000 6000	63000 8700
Range Booster Block	Dillon Dillon	2245 2246	12.0 14.0	13.6 13.7							
Horse Ration 14% Steer Feed	Dillon Dillon	2711 2714	12.0 20.0	14.1 21.6							
Horse Ration Range Booster Block			7.5NPN 7.5NPN	6.5 6.3							

Hi Energy Cake	Dillon	2713	13.0	15.2				
14% Steer Ration	Dillon	2712	14.0 1.6NPN	13.1 1.3				

Pet Foods

All W. Pet Supply 1300 Lamar Lakewood, CO 80215	Billings	0554	17.0	18.2				
Bar-B Alfalfa Treats								
Alpo Pet Foods Inc. P.O. Box 2187 Allentown, PA 18001								
Hoseneat Chunks & Beef Byproducts Dinner	Kalispell	0562	11.0	12.5				
American Nutrition P.O. Box 1405 Ogden, UT 84402	Billings	0547	20.0	21.9				
AgriBasics, Conagra Box 671	Great Falls	0532	21.0	20.9				
Knoxville, TN 37901								
Beatrice Foods P.O. Box 58 Nashville, TN 37202	Lewistown	0536	30.0	31.8				
Black & White Corp. Seattle, WA 98103								
Generic Dog Food	Billings	0558	8.0	7.9				
Bumble Bee Seafoods P.O. Box X-1017 San Diego, CA 92112								
Figaro Brand Tuna Cat Food	Billings	0557	18.0	20.4				

MANUFACTURER, BRAND and PRODUCT NAME	PLACE OF COLLECTION	SAMPLE NUMBER	(1) VITAMINS-USP UNITS (C)			(F) (2) DRUGS (3) CONTAMINANT	(C) (C)	(F) (F)			
			(C) (F)								
			PROTEIN (C)	FAT (F)	FIBER (C)						
Carnation Co. 5045 Wilshire Blvd. Los Angeles, CA 90036											
Come 'n Get It 4-Flavor Dog Food	Great Falls	0526	21.0	22.9							
Friskies Meat Flavor for Dogs	Choteau	0529	9.0	8.9							
Mighty Dog Beef for Dogs	Lewistown	0534	11.0	10.9							
Fancy Feast Savory Salmon Feast	Lewistown	0535	13.0	14.1							
Friskies Buffet for Cats (liver & Chicken)	Lewistown	0537	11.0	11.8							
Dock Salvage Mixed 2341 Broadwater Avenue Billings, MT 59102	Billings	0553	18.0	21.2							
Dog Food											
Farmers Union Cen. Exch. Box 43089 St. Paul, MN 55101	Laurel	0556	30.0	34.2							
The Hervin Co. 6150 SW Nyberg Rd. Tualatin, OR 97062											
Capitol Cat Food	Great Falls	0524	8.0	8.2							
Capitol Dog Food	Great Falls	0525	8.0	7.9							
BLU MTN Special Menu for Cats, Chicken, Tuna, & Milk Flavors	Great Falls	0527	30.0	31.4							
Hills Box 148 Topeka, KS 66601											
KD Dietary Animal Food	Sidney	0545	3.5	4.4							
CD Dietary Food	Sidney	0546	12.0	14.1							
Kal Kan Foods Inc. Vernon, CA 90058											

Ash

1.4

Kal Kan Simmered Supper Mealtime for Finicky Eaters	Sidney	0540	10.0	11.3
Chunky Beef Dinner	Sidney Sidney	0541 0542	10.0 10.0	10.5 10.3
Nabisco Brands, Inc.	Lewistown	0538	20.0	21.6
National Brands Div. Park Ridge, IL 60068				
Parade Chicken, Parts & Liver Cat Food	Great Falls	0530	11.0	11.2
Perk Foods Co. 772 Tuna St. Terminal Island, CA 90731	Kalispell	0566	8.0	9.8
Vets Dog Food	Kalispell	0563	22.0	18.3*
The Quaker Oats Co. 345 Merchandise Mart Plaza Chicago, IL 60654				
Burger'n Bones Cheese	Kalispell	0563	22.0	18.3*
Ralston-Purina, Checkerboard Square St. Louis, MO 63164				
Meow Mix Bonz Original Purina 100 Tuna Cat Food	Great Falls Great Falls Great Falls	0522 0523 0528	30.0 13.0 20.0	30.4 14.1 19.9
Rockford Farms P.O. Box 4000 Chicago, IL 60654				
Generic Medium Dog Biscuits Generic Dry Cat Food	Billings Billings	0549 0550	22.0 30.0	23.6 32.7
Roundup Co. 3800 SE 22nd Ave. Portland, OR 97202				

<u>MANUFACTURER, BRAND and PRODUCT NAME</u>	<u>PLACE OF COLLECTION</u>	<u>SAMPLE NUMBER</u>	<u>PROTEIN (C)</u>	<u>FAT (F)</u>	<u>(C) FIBER</u>	<u>(C) (F)</u>	<u>MINERALS (C)</u>	<u>(F)</u>	<u>(1) VITAMINS-USP UNITS (C) (2) DRUGS (C) (3) CONTAMINANT (C)</u>	<u>(F) (F) (F)</u>
Deluxe Dinner Cat Food (Fred Meyer)	Kalispell Kalispell	0565 0564	12.5 30.0	14.5 31.0						
Fred Meyer Dry Cat Food										
Safeway Stores Oakland, CA 94660	Sidney Sidney	0543 0544	10.0 10.0	9.9 9.9						
Liver Flavor Cat Food Dog Food										
Star-Kist Foods, Inc. 582 Tuna St. Terminal Island, CA 90731										
Jerky Treats Dog Snacks Bacon Flavor 9-Lives & Chicken Dinner Cat Food	Kalispell Kalispell Kalispell	0560 0561 0561	33.0 31.5 31.5	41.6 31.8 31.8						
Superior Pet Products, Inc. 122 Quincy Shore Dr. Quincy, MA 02171										
Chew iezz	Miles City	0539	70.0	83.3						
Tuffy's Pet Food 145 1st Ave. N. P.O. Box 190 Perham, MN 56573										
Tuffy's Golden Chunks Dog Food	Billings	0551	21.0	21.6						
Tyrell's Inc. 155 N. 35th St. Seattle, WA 98103										
Red Label Brand Dog & Cat Food	Billings	0548	10.0	10.9						
Vitakraft Duett 134-10 32 Ave. Flushing, NY 11354										

Vitakraft ChitChat for Parrots	Billings	0555	26.0	26.5
Wardley Prod. Co. Inc. 1 Aquarium Dr., Box 2515 Secaucus, NJ 07094				
Wardleys Guppy Food Flakes	Great Falls	0531	40.0	41.7
W. Coast Grocery Co. 495 E. 19th, P.O. Box 1834 Tacoma, WA 98401				
Capitol Brand Cat Food	Billings	0559	8.0	8.1

MONTANA COMMERCIAL FEED REPORTED

FOR 1984

<u>FORMULA FEEDS</u>	<u>NO. OF TONS</u>	<u>FEED INGREDIENTS</u>	<u>NO. OF TONS</u>
1. Broiler Feeds	Complete Supplement	2,157 16	1. Alfalfa Products 2. Animal Products 2,621 857
2. Turkey Feeds	Complete Supplement	190 90	3. Barley Products 4. Beet Products 454 22,857
3. Starter-Grower (Egg-type)	Complete Supplement	2,602 99	5. Brewers Products 6. Cottonseed Products 0 2,901
4. Layer-Breeder (Egg-type)	Complete Supplement	9,525 635	7. Distillers Products 8. Fats & Oils 1,260 157
5. Beef Feeds	Complete Supplement	79,655 78,599	9. Linseed & Flax Products 10. Maize Products 16 202
6. Dairy Feeds	Complete Supplement	5,665 8,655	11. Marine Products 12. Milk Products 12 69
7. Swine Feeds	Complete Supplement	7,603 15,138	13. Mineral Products 14. Molasses 9,643 27,763
8. Sheep Feeds	Complete Supplement	1,514 192	15. Oat Products 16. Rye Products 209 0
9. Horse Feeds	Complete Supplement	3,687 1,371	17. Vitamin Products 18. Soybean Products 183 2,115
10. Mineral Feeds	Complete Supplement	546 18,231	19. Urea 20. Wheat Products 1,291 28,317
11. Miscellaneous		11,954 6,539	21. Miscellaneous Products 10,671 5,056
		254,663	TOTAL INGREDIENT TONNAGE 116,654
			TOTAL COMMERCIAL FEED 371,317

1984 FEED ANALYSIS BREAKDOWN

COMMERCIAL	NO ANALYZED		% OUT OF TOLERANCE		PET FOODS	NO. OUT OF TOLERANCE		% OUT OF TOLERANCE	
Protein	245	37	15.1	12.5	Protein	43	1	2.3	
NPN	80	10	—	—					
Fat	2	0	—	—					
Fiber	2	0	—	—					
Calcium	147	13	8.8	—					
Phosphorus	156	4	2.6	—					
NaCl	108	8	7.4	—					
Iodine	8	0	—	—					
Magnesium	10	0	—	—					
Copper	1	0	—	—					
Iron	1	0	—	—					
Sulfur	1	0	—	—					
Zinc	4	1	—	—					
Potassium	7	0	—	—					
Selenium	2	0	—	—					
Flourine	1	0	—	—					
Amprolium	3	0	—	—					
Vit A	146	4	2.7	3.4					
Vit D	87	3	—	—					
FEED SAMPLING									
		NO. SAMPLES TAKEN		NO. OUT OF TOLERANCE		% OUT OF TOLERANCE		NO. OUT OF TOLERANCE	
		YEAR		YEAR		YEAR		YEAR	
		1977		1977		1976		1976	
		368		368		34		34	
		1978		401		105		26	
		1979		231		39		17	
		1980		437		62		14	
		1981		251		73		29	
		1982		332		82		25	
		1983		354		72		20	
		1984		266		64		24	
FEED TONNAGE									
		YEAR		TONNAGE		YEAR		TONNAGE	
		1976		391,176		1976		391,176	
		1977		339,946		1977		339,946	
		1978		322,452		1978		322,452	
		1979		412,113		1979		412,113	
		1980		373,463		1980		373,463	
		1981		331,625		1981		331,625	
		1982		318,312		1982		318,312	
		1983		365,620		1983		365,620	
		1984		371,317		1984		371,317	

MONTANA DEPARTMENT OF AGRICULTURE

PLANT INDUSTRY DIVISION

AGRICULTURE/LIVESTOCK BLDG.

CAPITOL STATION

HELENA, MT 59620

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